COLNAGO

The Frame

ince the foundation of the company, and we are talking of more than 35 years ago, Mr. Ernesto Colnago's basic point of view, as manufacturer, has been to supply his customers with the utmost in the biciycle field. The Colnago customer must have the utmost, and above all he must be aware to have it. This engagement, this philosophy and this specific genius have produced the models, which are known and appreciated now all over the world, because they have been the vehicles, with which the champions have raced and enter into the history of sport winning worldchampionships, Olympic games, the tours of France, Italy, Spain and so forth. If everybody knows how difficult it is to wear a jersey with the rainbow colours and to keep it; it is also true, that it is even more difficult to maintain the leadership in the "great tour" of the manufacturers. Today is here the challenge really world wide, it is technologic, organizatory, creative, and in fact one is asked to more faster and faster under the pressure of the new ideas and the new materials. Based on continuous advanced testing, the Colnago production offers, compared to the crowd of mere imitators, a product uniqueness which makes the customer feeling proud of the product he is using. Out of this view and this setting the various models have been born:"Mexico","Master","Carbitubo" the "Precisa" front fork, the "C-35"...

Ernesto Colnago

W E P R E S E N T O U R S E L V E S

AD. 1

AD. 2

AD. 3

AD. 4

AD. 5

AD. 6

e are the last born in Colnago's home. We are aware to belong to the famous"Master" family, which in 9 years, when in 1983 first started introducing and expanding, obtained so many results, to become a symbol. We are also aware that we present ourselves with some important renewed characters, which allowed us to win two gold medals at the recent Olympic Games in Barcelona.We are first of all lighter by means of our tubes model "DT 15V", which give us more strenght than our previous models. Our design has improved and many particulars, e.g. the frame ends have been newly projected. Also in matter of looks we reached the top, not only in the fashion, but also in the choice of colours and in the artistic perfection of our decoration. Therefore as "Master Olympic" we give guarantee of more lightness, more technology, more fashion.

Columbus Gilco design tubing with the new technological conceived chromoly vanadium tubes DT 15V, cold drawn and profiled on Colnago's project, lighter, and with a better capacity of resistence of 30 KG/mm² compared to the Master frames manufactured till now-inner rear brake cable guide on top tube - brazed front gear socle - connection for second water bottle cage - investment cast bottom bracket shell, lugs fork crown - investment cast drop outs redesigned to improve their function - front fork with straight fork blades - chrome plated head lugs and rear triangle - exclusively hand made artistic "Art-Decor" paint.

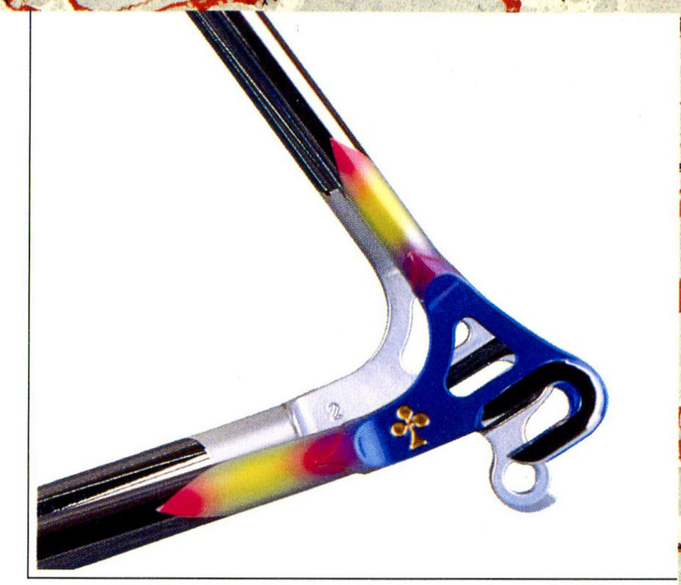
"MASTER OLYMPIC"

with "Precisa" front fork painted Art-Decor

AD. 1

"MASTER OLYMPIC"

with "Precisa" front fork painted Art-Decor



"MASTER OLYMPIC"

with "Precisa" front fork painted Art-Decor

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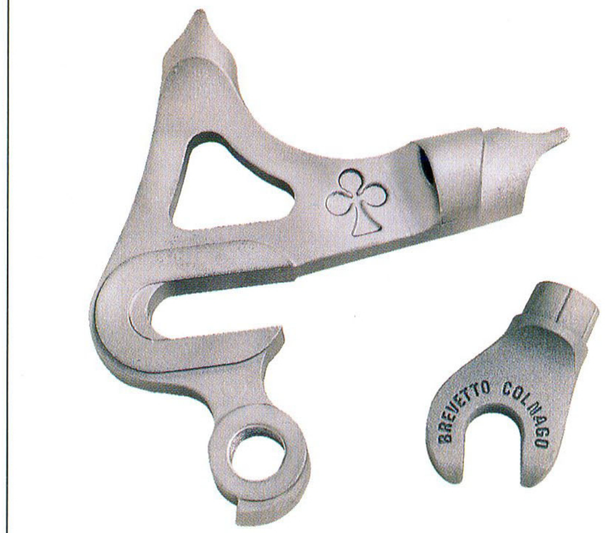


"MASTER OLYMPIC"

with "Precisa" front fork painted Art-Decor

AD. 5

"MASTER OLYMPIC"

with "Precisa" front fork painted Art-Decor

AD. 6

"CARBITUBO" DECOR

with "Precisa" Front fork

Frame made of 9 carbon fiber high resistance tubes - lugs and bottom bracket shell in eight alloy - the diagonal square tube couples in two smaller tubes leaving the head tube together and separating at the bottom bracket shell. This new feature, patented by Colnago, allows to nullify the side bending, improving riding stability and stiffness thank to the efficient front fork with straight fork blades. The frame paint is DECOR, new and elegant.

"CARBITUBO" DECOR

with "Precisa" Front fork

"CARBITUBO" DECOR

with "Precisa" Front fork

CONIC SLX

with "Precisa" front fork

Columbus Conic "SLX" tubing - Conic down tube with Ø 28,6 mm at the head tube and Ø 32 mm at the bottom bracket shell, with eight external ribs, exclusively manufactured for Colnago - inner rear brake cable guide on top tube - brazed front gear socle - connection for second water bottle cage - investment cast bottom bracket shell, fork crown and drop outs - front fork with straight fork blades which allows a more precise and more shock absorbing steering compared to the traditional front forks - chrome plated lugs, drop outs and right hand chainstay.

SUPERPIU'

Columbus "SL" tubing - inner rear brake cable guide on top tube - brazed front gear socle - connection for second water bottle cage - investment cast bottom bracket shell, fork crown, and drop outs - chrome plated front fork, drop outs head lugs and right hand chainstay.

"C-93"

Columbus cromoly tubing - inner rear brake cable guide on top tube - brazed front gear socle - connection for second water bottle cage - investment cast fork crown - chrome plated front fork, drop outs, head lugs and right hand chainstay.

"C-35"

Carbon Fiber Mountainbike Colnago-Ferrari Engineering

Is the product of 2 years collaboration between Ferrari Engineering and Ernesto Colnago developped in competitive cycling, where high stresses have to be absorbed. A particular attention has been given to the frame resilience structure , i.e. the capacity to absorb stresses transmitted by an uneven ground surface.
C-35 MTB frame equipped with new shock absorbing fork "SYSTEM 3"

MASTER ALUMINIUM MTB

with "Precisa" front fork painted Decor

New geometry extra light frame with new-oversize tubings in aeronautic star section alloy - has an excellent shock absorbing capacity combined with a high resistance to side flexious - new and elegant Decor paint.

"C-35"

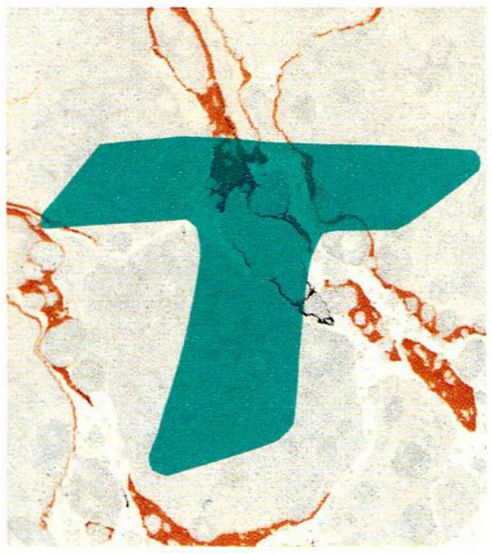
Carbon Fiber Racing Frame Colnago-Ferrari Engineering

Ferrari engineering

The "C-35" frame reflects the outcome of a hi-tec collaboration between Colnago and Ferrari Engineering, which has been developped after more than two years of common research in the racing bicycle field. The frame and the front fork are a genuine "monocoque", an integrally moulded carbon fiber structure. One starting material only is utilized, incorporating the carbon in both woven and roving formats.Polymerization of the material is entirely an autoclave process, effected at high pressure and temperature with the guarantee of an absolute correct fiber distribution.The fundamental characteristic is high efficiency, reflected in the high rigidity-to-weight ratio of the frame.The frame design is particulary elegant and combines a classic and an advanced form concept.

INFINITY Rovato (BS)

THE REASON WHY THE COLNAGO FRAMES ARE SO PRECIOUS



he frame, as we already mentioned, is the heart of the bicycle. Everything turns around the frame and its perfection level: the proper relation man-machine, the efficacy of the power transmission, the correct fitting of the frame-parts, and not in the end the entire trust and security of the user. The preciousness of the Colnago frames is the result of a process which requires various steps, many together connected operations, which are now fixed, as a behaviour code, in the manufacturing structure of the company. First of all there is a continuous research to look for the best materials, in order to use metal components (alloys) and not metal ones (carbon fibers) which are definitely more advanced than the materials the market can offer.

There is also a specific planning, and it is not by chance that the best and original engineering solutions, such as the "Master" with star-shaped sections tubes, the doubled square frame-tubes, the front fork with straight fork blades, the "C - 35" monocoque frames have been transferred in equivalent winning constructive formulas used and suitable exclusively for the Colnago frames.

Finally there is a scrupulous care in the execution and make of the product, because it depends on the assembly methods if, in the end, the customer will enjoy a perfect frame (and thus a bicycle) in its structure and finish, really corresponding to his proper body dimensions.

The preciousness of the Colnago frames depends therefore on three elements:

- employed materials
- realized project solutions
- assembly methods

The assembly methods include first of all the technical control of the assembling elements.

An imperfect tube is discarded, if originally fusion or even drawing defects are noticed.

It is with such a selected material that the filling of the technical form is started, (the form is deducted from the user's morphological characteristics) the basic operation of which consist in connecting the square tube to the head tube.

In the manufacture of the Colnago frames the angle required in the technical form, which can vary according to each single customer, is exactly reproduced in the cut-angle and milling of the square tube.

Both tubes are properly fitted and adapted to special investment cast lugs, designed by Colnago; they are afterwards spot-weldeld, squared and finally pinned, in order to fix them firmly during the brazing process.

When also the other tubes are carefully joint together with a similar sequence of operations, the frame is cleaned and cleared from any chemical surface impurity, is squared in all axis, filed, checked and is finally supplied winth a serial number.

At this stage the frame is ready for chrome plating followed by the enamelling which, besides the undiscussed enamel quality has reached in the ultimate frame generation of the "MASTER OLYMPIC" even an artistic level.

These are some of the reasons why for every Colnago frame we can say "it is precious".

COLNAGO

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